

# DECLARATION OF POWER OF ATTORNEY AND POWER OF SUBSTITUTION

As a below named inventor, I hereby declare that:

My residence, post office and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought on the invention entitled **SYSTEM FOR MAKING A HOLOGRAM OF AN IMAGE BY MANIPULATING OBJECT BEAM CHARACTERISTICS TO REFLECT IMAGE DATA**, the specification of which

[x] is attached hereto [ ] was filed on as Application Serial No. and was amended on (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):			Priority Claimed	
Number	Country	Day/Month/Year filed	Yes	No

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status: Patented, Pending, Abandoned
077220,080	July 18, 1988	Allowed

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) and/or agent(s): Allan M. Lowe, Reg. No. 19,641; Robert L. Price, Reg. No. 22,685; Robert E. LeBlanc, Reg. No. 17,219; Stephen A. Becker, Reg. No. 26,527; Henry Shur, Reg. No. 17,414; Israel Gopstein, Reg. No. 27,333; Benjamin J. Hauptman, Reg. No. 29,310; Donald C. Casey, Reg. No. 24,022; Kenneth E. Krosin, Reg. No. 25,735; Chittaranjan N. Nirmel, Reg. No. 30,408; Holly D. Kozlowski, Reg. No. 30,468; Gene Z. Robinson, Reg. No. 33,351; Frank P. Presta, Reg. No. 19,828; Michael S. Gzybowski, Reg. No. 32,816; Robert G. Lev, Reg. No. 30,280; Keith E. George, Reg. No. 34,111; Arthur E. Demers, Reg. No. 32,660; Edward J. Wise, Reg. No. 34,523; Christopher W. Brody, Reg. No. 33,613; Demetra J. Mills, Reg. No. 34,506; Daniel Y.J. Kim, Reg. No. 36,186; Alexander Yampolsky, Reg. No. 36,324; Sharon E. Finkel, Reg. No. 35,798; Robert P. Bell, Reg. No. 34,546; and Alfred A. Stadnicki, Reg. No. 30,226. all of

LOWE, PRICE, LEBLANC & BECKER  
99 Canal Center Plaza, Suite 300  
Alexandria, Virginia 22314

with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and all future correspondence should be addressed to them.

Full name of sole or first inventor: **FRANK DAVIS**

Inventor's Signature: [Signature] Date: 10-22-93

Residence: 3518 White Oak Drive, Houston, Texas 77007

Citizenship: United States

Post Office Address: 3518 White Oak Drive, Houston, Texas 77007

Full name of joint inventor: **KENNETH R. HARRIS**

Inventor's Signature: [Signature] Date: 10-22-93

Residence: Rt. 2, Box 13, Monroe, TN 38573

Citizenship: United States

Post Office Address: Rt. 2, Box 13, Monroe, TN 38573

See paper NO. 22 for Deleted Second Inventor

Applicant or Patentee: Frank Davis, et al. Attorney's Docket No.: 2023-001A  
Serial or Patent No.: \_\_\_\_\_  
Filed or Issued: \_\_\_\_\_  
For: SYSTEM FOR MAKING A HOLOGRAM OF AN IMAGE BY MANIPULATING OBJECT BEAM CHARACTERISTICS TO REFLECT IMAGE DATA

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) and 1.27(c)) - SMALL BUSINESS CONCERN

I hereby declare that I am

- ☐ the owner of the small business concern identified below:  
☒ an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF ORGANIZATION: Dimensional Arts, Inc.

ADDRESS OF ORGANIZATION: 15730 West Hardy Road, Houston, Texas 77060

I hereby declare that the above identified small business concern qualified as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, oral third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled SYSTEM FOR MAKING A HOLOGRAM OF AN IMAGE BY MANIPULATING OBJECT BEAM CHARACTERISTICS TO REFLECT IMAGE DATA by inventor(s) FRANK DAVIS and KENNETH R. HARRIS described in

- ☒ the specification filed herewith.  
☐ application Serial No. , filed .  
☐ patent no. , issued .

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who could not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e). \*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING: KENNETH R. HARRIS  
TITLE IN ORGANIZATION: Pres.  
ADDRESS OF PERSON SIGNING: 41.2. Box 13, MONTROSE TN 38573  
SIGNATURE: [Signature]

Docket No. : 96019

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :

Frank DAVIS et al.

Serial No. : 08/648,862

Filed : May 16, 1996



Group Art Unit : 2507

Examiner : R. Shafer

For : SYSTEMS FOR MAKING A HOLOGRAM OF AN IMAGE BY MANIPULATING  
OBJECT BEAM CHARACTERISTICS TO REFLECT IMAGE DATA

DECLARATION OF ORIGINALLY NAMED INVENTORS

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sir:

1. We, Frank Davis and Kenneth R. Harris, the originally named inventors listed for the instant application as filed on May 16, 1996, declare as follows:

2. Both Frank Davis and Kenneth R. Harris contributed to the inventive subject matter contained in some of the originally filed claims of the parent to the instant application (Serial No. 08/140,909, filed October 25, 1993). However, Frank Davis is the sole inventor of the subject matter recited in claims 83 and 84, the only remaining claims currently under consideration in the subject application.

3. This change, being requested without deceptive intent, and responsive to the actions of the Examiner in charge of this application, the correction of inventorship of the subject application to include only Frank Davis for Claims 83 and 84 is respectfully requested.

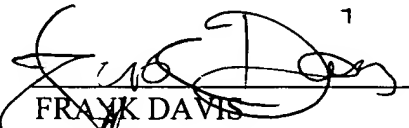
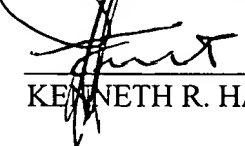
09163535-100393

Serial No. 08/648,862

4. We hereby declare that all statements made herein of our own knowledge and true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date : 930-96

Date : Aug. 29, 1996

  
FRANK DAVIS  
  
KENNETH R. HARRIS

09163555-1003993  
063007-53535150

Docket No. 0001-001A

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Frank DAVIS et al.

Serial No. : 08/648,862

Filed : May 16, 1996



Group Art Unit : 2507

Examiner : R. SHAFER

For : SYSTEM FOR MAKING A HOLOGRAM OF AN IMAGE BY MANIPULATION  
OBJECT BEAM CHARACTERISTICS TO REFLECT IMAGE DATA

PETITION FOR CORRECTION OF INVENTORSHIP  
OF PATENT APPLICATION UNDER 37 C.F.R. 1.48

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sir :

This is a petition to correct the inventorship of the remaining claims (83 and 84) currently being prosecuted in the subject application. All other claims, including those having inventive subject matter attributable to both Kenneth R. Harris and Frank Davis have been withdrawn from consideration as a result of a restriction requirement. Claims 83 and 84 contains inventive subject matter attributable only to Frank Davis.

This petition for correction of inventorship is submitted responsive to the aforementioned restriction requirement and the Examiner's request that the inventorship of the remaining claims at issue be clarified.



TC 6-1-100M

A Declaration has been executed by all of the originally named inventors, Kenneth R. Harris and Frank Davis, stating that both shared in the invention of subject matter contained in claims no longer under consideration, and that the subject matter of claims 83 and 84 is attributable only to the invention by Frank Davis.



Respectfully submitted,  
Lev Intellectual Property Consulting

A handwritten signature in cursive script, appearing to read "Robert G. Lev".

Robert G. Lev  
Registration No. 30, 280

4766 Michigan Boulevard  
Youngstown, Ohio 44505  
(330) 759-14234  
Date : October 11, 1996

TC: 10/11/96

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of :

Frank DAVIS et al.

Serial No. 08/648,862

Filed : May 16, 1996



Group Art Unit : 2507

Examiner : R. Shafer

For : *SYSTEM FOR MAKING A HOLOGRAM OF AN IMAGE BY MANIPULATING  
OBJECT BEAM CHARACTERISTICS TO REFLECT IMAGE DATA*

**TRANSMITTAL OF PETITION FOR CORRECTION OF INVENTORSHIP OF  
PATENT APPLICATION UNDER 37 C.F.R. 1.48**

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sir :

Submitted herewith is a Petition For Correction Of Inventorship of Patent Application  
under 37 C.F.R. 1.48, consent by assignee and Declaration of Originally Named Inventors to be  
entered in the above-identified application.

Also, attached is a check for the Petition Fee in the amount of \$130.00, in accordance  
with 37 C.F.R. 1.17 (b). And 148 (g).

Lev Intellectual Property Consulting

A handwritten signature in dark ink, appearing to read "Robert G. Lev".

Robert G. Lev  
Registration No. 30,280

4766 Michigan Boulevard  
Youngstown, Ohio 44504  
(330) 759-1423 Fax : (330) 759-4865



Docket No. 0001-001A

PCD

Jc135 U.S. PTO  
09/168585  
10/08/98

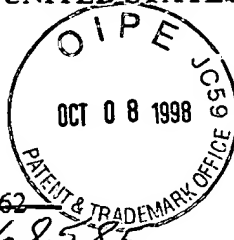
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :

Frank DAVIS et al.

Serial No. : 08/648,862

Filed : May 16, 1991



Group Art Unit : 2507

Examiner : R. Shafer

#9

For : SYSTEM FOR MAKING A HOLOGRAM OF AN IMAGE BY MANIPULATING  
OBJECT BEAM CHARACTERISTICS TO REFLECT IMAGE DATA

CONSENT BY ASSIGNEE AS REQUIRED BY  
RULE 1.48 OF THE RULES OF PRACTICE

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sir :

Dimensional Arts, Inc., having an address of 15730 West Hardy Road, Houston, Texas 77060,  
Assignee of Record of U.S. Application Serial No. 08/140,909 filed October 25, 1993, by virtue  
of an Assignment executed on October 25, 1993 and presented for recordation in the U.S. Patent  
and Trademark Office on October 25, 1993, of the entire right, title and interest in and to this  
application and all inventions disclosed and claimed therein, hereby consents to changing the  
inventorship of the above-identified application from the invention of Frank Davis and Kenneth  
R. Harris to Frank Davis.



Serial No. 08/648,862 .

The undersigned hereby certifies that the Assignment executed on October 22, 1993, has been reviewed, and that, to the best of the Assignee's knowledge and belief, title is in the Assignee.

DIMENSIONAL ARTS, INC.

By : 

Kenneth R. Harris

Title : President

Date : Oct 4, 96

ASSIGNMENT OF UNITED STATES PATENTS

WHEREAS, DIMENSIONAL ARTS, INC., a Texas corporation, having offices at 4111 Camino Real, Suite 100, San Diego, California 92108, is the owner of the United States Patents Nos. 5,362,579 and 5,822,092 (collectively hereafter referred to as the "PATENTS");

WHEREAS, ILLINOIS TOOL WORKS INC., a Delaware corporation (hereinafter ASSIGNEE), having offices at 3600 West Lake Avenue, Glenview, Illinois, 60025, is desirous of acquiring said trademarks and registrations thereof.

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, said ASSIGNOR does hereby assign, sell, transfer and set over to said ASSIGNEE, effective as of the 25th day of May, 2001, the entire right, title and interest in and to the PATENTS, the inventions described and claimed therein, any reissues of the PATENTS, any continuations, continuation-in-part and divisional applications of the PATENTS, and the right to sue for past infringements; with the same to be held and enjoyed by ASSIGNEE for its own use and enjoyment and the use and enjoyment of its successors, assigns and legal representatives to the end of the term for which each of the PATENTS was granted or reissued, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR if this assignment, sale, transfer had not been made.

Subscribed to and sworn to before me  
this 25<sup>th</sup> day of May, 2001.

Notary Public

My Commission Expires: 6-26-04

Subscribed to and sworn to before me  
this 25<sup>th</sup> day of May, 2001.

Notary Public

My Commission Expires: 2/22/05

LISA M HATYMA

NOTARY PUBLIC, STATE OF ILLINOIS

My Commission Expires 2-22-2005

DIMENSIONAL ARTS, INC.

By: [Signature]

Title: 1912 HARKINS

ILLINOIS TOOL WORKS INC.

By: [Signature]

Title: General Counsel